

Table B3.18. Summary of relative abundance of taxa averaged at family level in all eight genotypes in each comp.

Family	Bulk_Bulk	E_BB	E_CMII	E_H7996	E_LA2093	E_MM
Pyrinomonadaceae	5.55E-03	1.99E-03	1.85E-04	5.27E-03	3.16E-03	3.20E-03
Solibacteraceae_(Subgroup_3)	1.92E-03	1.48E-04	0.00E+00	1.94E-03	1.10E-03	0.00E+00
Kineosporiaceae	1.79E-02	4.83E-03	4.53E-03	5.40E-03	7.26E-03	4.92E-03
Microbacteriaceae	8.28E-03	5.47E-03	1.78E-03	9.08E-03	2.61E-03	9.02E-03
Cryptosporangiaceae	4.60E-04	2.96E-04	7.10E-04	2.19E-03	5.24E-02	8.39E-04
Solirubrobacteraceae	6.73E-03	6.11E-03	0.00E+00	3.93E-03	4.70E-03	1.24E-03
Micrococcaceae	7.19E-03	2.61E-03	2.64E-04	2.97E-03	1.76E-03	1.97E-03
Gaiellaceae	6.92E-03	5.20E-03	5.11E-03	3.00E-03	6.20E-03	3.85E-03
Nocardiodaceae	1.04E-02	1.15E-02	2.46E-02	2.04E-02	1.53E-02	1.95E-02
Mycobacteriaceae	2.54E-03	0.00E+00	0.00E+00	3.56E-04	3.27E-03	2.31E-03
Propionibacteriaceae	8.31E-03	1.07E-02	1.43E-02	1.63E-02	1.38E-02	1.93E-02
Intrasporangiaceae	3.07E-03	5.28E-04	1.58E-04	2.37E-03	8.99E-04	0.00E+00
Micromonosporaceae	2.25E-02	2.30E-02	5.74E-03	2.58E-02	2.85E-02	1.54E-02
Ilumatobacteraceae	4.28E-03	2.42E-03	0.00E+00	1.46E-03	1.33E-03	0.00E+00
67-14	4.66E-03	1.94E-03	0.00E+00	1.60E-03	3.42E-03	0.00E+00
Iamiaceae	1.72E-03	1.83E-03	0.00E+00	1.96E-03	3.46E-03	0.00E+00
Geodermatophilaceae	2.97E-02	1.08E-02	8.81E-03	1.91E-02	2.31E-02	9.51E-03
Rubrobacteriaceae	3.42E-03	0.00E+00	0.00E+00	4.30E-03	3.97E-03	5.30E-04
Sporichthyaceae	1.32E-03	2.57E-03	0.00E+00	1.31E-03	7.78E-04	1.08E-03
Cellulomonadaceae	4.18E-03	2.68E-03	2.48E-03	3.25E-03	5.04E-03	4.16E-03
Pseudonocardiaceae	1.65E-02	1.30E-01	3.46E-03	9.76E-03	1.36E-02	1.65E-02
Streptomycetaceae	6.81E-03	4.60E-03	1.98E-03	1.09E-02	6.76E-03	3.95E-03
Frankiaceae	2.15E-03	2.68E-03	4.13E-04	4.83E-04	4.07E-03	2.77E-03
Thermomonosporaceae	9.06E-03	1.01E-02	2.11E-04	1.73E-02	2.03E-02	1.09E-02
Weeksellaceae	7.32E-04	1.30E-03	0.00E+00	2.44E-03	4.21E-03	2.05E-03
Microscillaceae	1.41E-02	1.37E-02	7.40E-03	1.79E-02	8.35E-03	5.17E-03
Flavobacteriaceae	1.63E-02	7.42E-03	9.81E-03	9.32E-03	1.94E-02	5.64E-03
env.OPS_17	1.38E-03	9.93E-04	1.19E-03	1.65E-03	2.12E-03	0.00E+00
Roseiflexaceae	7.53E-04	2.66E-03	8.07E-04	0.00E+00	2.26E-03	0.00E+00
Fibrobacteraceae	1.55E-03	1.37E-03	2.90E-04	2.63E-03	7.03E-04	3.16E-03
Bacillaceae	1.32E-03	3.63E-02	1.33E-01	4.01E-02	4.78E-02	6.46E-02
Longimicrobiaceae	6.17E-03	6.99E-03	0.00E+00	4.35E-03	2.11E-03	3.42E-03
Gemmatimonadaceae	2.19E-02	1.56E-02	5.36E-03	1.01E-02	1.35E-02	1.79E-02
Nitrospiraceae	9.04E-03	4.61E-03	1.41E-03	3.35E-03	5.33E-03	1.70E-02
Pirellulaceae	9.05E-03	1.42E-03	0.00E+00	9.82E-04	5.19E-03	3.02E-04
Rhizobiaceae	2.00E-02	3.05E-02	6.68E-02	3.05E-02	3.29E-02	3.76E-02
Cellvibrionaceae	1.05E-02	1.39E-02	2.54E-03	1.92E-02	1.43E-02	8.89E-03
Sandaracinaceae	1.34E-02	9.80E-03	7.49E-03	7.21E-03	5.22E-03	7.55E-03
Methylophilaceae	3.25E-04	1.40E-02	9.91E-02	3.44E-02	3.47E-03	1.15E-02
Haliangiaceae	6.77E-03	2.55E-03	5.26E-03	5.68E-03	3.97E-03	2.75E-03
Unknown_Family	1.34E-02	6.68E-03	3.11E-03	7.05E-03	7.37E-03	7.86E-03
BIrii41	1.71E-02	1.28E-02	4.12E-03	7.02E-03	6.86E-03	6.70E-03
Magnetospiraceae	6.47E-03	3.95E-03	2.14E-03	5.22E-03	5.48E-03	2.24E-03
TRA3-20	1.70E-02	1.26E-02	1.16E-03	9.55E-03	1.12E-02	8.21E-03

Beijerinckiaceae	7.02E-03	3.92E-03	9.38E-04	6.76E-03	5.29E-03	1.24E-03
Xanthomonadaceae	1.79E-02	1.30E-02	1.86E-02	2.12E-02	1.45E-02	1.75E-02
Rhodanobacteraceae	4.04E-03	3.44E-03	2.00E-03	3.70E-03	2.41E-03	3.69E-03
Bdellovibrionaceae	5.92E-03	2.35E-03	0.00E+00	2.83E-03	3.19E-03	1.25E-03
Geminicoccaceae	2.31E-03	5.07E-04	7.92E-05	2.30E-03	1.60E-03	0.00E+00
Dongiaceae	2.37E-03	5.34E-03	1.03E-03	3.51E-04	1.57E-03	0.00E+00
Xanthobacteraceae	4.14E-02	2.04E-02	1.39E-02	2.83E-02	2.64E-02	3.67E-02
Azospirillaceae	2.28E-03	0.00E+00	0.00E+00	1.01E-03	1.06E-03	1.08E-03
Bacteriovoracaceae	1.66E-03	0.00E+00	4.90E-03	5.06E-03	0.00E+00	0.00E+00
Polyangiaceae	4.10E-03	7.18E-04	4.83E-03	2.02E-03	7.18E-04	1.64E-03
Caulobacteraceae	5.88E-02	3.51E-02	2.45E-02	6.27E-02	5.25E-02	3.28E-02
Paracaedibacteraceae	1.39E-03	1.37E-03	3.40E-04	1.25E-03	7.78E-04	2.40E-04
Burkholderiaceae	1.53E-01	3.08E-01	3.89E-01	2.91E-01	2.56E-01	3.24E-01
Oligoflexaceae	2.81E-03	1.03E-03	4.67E-04	6.65E-04	1.97E-03	4.04E-03
Desulfarculaceae	2.59E-03	1.30E-03	1.06E-04	1.35E-03	9.97E-04	1.30E-03
SC-I-84	1.61E-02	1.11E-02	1.25E-03	8.56E-03	1.23E-02	1.14E-02
A21b	1.30E-03	9.23E-04	0.00E+00	4.79E-04	1.29E-03	3.83E-03
Enterobacteriaceae	0.00E+00	5.88E-03	1.19E-03	2.13E-03	4.25E-03	2.57E-03
Pseudomonadaceae	8.56E-02	2.57E-02	2.79E-02	3.37E-02	3.68E-02	3.88E-02
Steroidobacteraceae	1.46E-02	5.67E-03	1.87E-03	8.26E-03	7.67E-03	7.28E-03
Hyphomicrobiaceae	1.67E-03	2.54E-03	4.22E-04	2.37E-03	4.30E-03	3.39E-03
Rhizobiales_Incertae_Sedis	9.94E-04	6.76E-04	0.00E+00	2.42E-03	1.98E-03	0.00E+00
Archangiaceae	1.26E-03	1.82E-03	1.67E-03	2.68E-04	2.81E-03	5.87E-03
Devosiaceae	2.84E-02	1.68E-02	9.22E-03	1.67E-02	2.33E-02	2.47E-02
Rhodospirillaceae	1.30E-03	9.66E-04	0.00E+00	1.71E-03	2.00E-03	1.01E-03
Blfdi19	1.62E-03	0.00E+00	1.53E-03	2.37E-03	3.01E-04	3.97E-03
Sphingomonadaceae	7.54E-02	3.72E-02	3.42E-02	4.70E-02	5.33E-02	5.59E-02
Hyphomonadaceae	6.97E-03	2.30E-03	1.50E-03	1.99E-03	3.98E-03	5.67E-03
Micropepsaceae	5.15E-03	3.97E-03	6.07E-04	3.01E-03	4.54E-03	2.05E-03
Spongiibacteraceae	6.16E-03	3.26E-03	3.59E-03	2.68E-03	3.66E-03	5.64E-03
Reyranellaceae	7.61E-03	3.21E-03	2.95E-03	5.28E-03	2.68E-03	4.42E-03
Nitrosomonadaceae	2.20E-02	1.48E-02	2.83E-03	1.24E-02	9.73E-03	1.60E-02
Opitutaceae	1.18E-03	8.95E-04	7.77E-04	8.89E-04	2.06E-03	5.15E-03
Pedosphaeraceae	1.51E-02	5.58E-03	4.97E-03	6.39E-03	2.87E-03	1.07E-02

artment.

E_Pearson	E_UC82B	E_WV	R_BB	R_CMII	R_H7996	R_LA2093	R_MM	R_Pearson
7.92E-04	0.00E+00	2.09E-03	6.05E-03	5.14E-03	7.32E-03	6.36E-03	5.22E-03	6.09E-03
0.00E+00	3.04E-03	0.00E+00	1.49E-03	1.74E-03	1.61E-03	1.86E-03	2.33E-03	1.57E-03
3.32E-03	5.19E-03	0.00E+00	1.41E-02	1.47E-02	1.06E-02	1.73E-02	1.81E-02	7.09E-03
5.17E-03	9.35E-03	4.33E-03	4.61E-03	9.59E-03	3.70E-03	4.85E-03	9.20E-03	8.43E-03
0.00E+00	0.00E+00	2.26E-03	7.95E-04	2.10E-03	1.00E-03	1.24E-03	1.40E-03	3.08E-04
4.34E-03	3.58E-03	7.95E-03	7.63E-03	6.18E-03	7.19E-03	4.75E-03	7.41E-03	6.41E-03
4.70E-04	4.22E-04	5.54E-03	6.04E-03	4.33E-03	8.01E-03	7.55E-03	4.80E-03	3.63E-03
7.64E-03	3.61E-03	4.35E-03	5.49E-03	5.60E-03	6.60E-03	7.09E-03	5.63E-03	6.04E-03
3.45E-02	9.03E-03	1.64E-02	7.15E-03	9.47E-03	9.17E-03	7.35E-03	1.06E-02	1.26E-02
1.61E-03	6.76E-04	0.00E+00	3.97E-03	4.09E-03	4.48E-03	3.76E-03	4.71E-03	3.58E-03
1.28E-02	1.12E-02	1.06E-02	1.09E-02	8.80E-03	9.11E-03	8.99E-03	8.96E-03	8.22E-03
2.74E-04	7.73E-04	1.20E-03	1.70E-03	2.55E-03	2.92E-03	2.66E-03	2.76E-03	3.06E-03
1.96E-02	1.53E-02	2.27E-02	3.66E-02	3.57E-02	2.67E-02	3.49E-02	4.49E-02	2.45E-02
1.54E-03	2.72E-03	3.80E-03	4.62E-03	3.88E-03	4.99E-03	3.49E-03	4.23E-03	4.04E-03
1.34E-03	2.87E-03	0.00E+00	2.85E-03	3.63E-03	3.05E-03	2.12E-03	2.65E-03	3.83E-03
7.84E-04	5.80E-04	0.00E+00	9.83E-04	1.49E-03	1.34E-03	1.41E-03	1.09E-03	9.53E-04
9.62E-03	1.22E-02	1.14E-02	1.48E-02	1.60E-02	1.88E-02	1.74E-02	1.70E-02	1.63E-02
1.53E-03	4.18E-03	0.00E+00	3.56E-03	3.50E-03	3.91E-03	4.05E-03	3.46E-03	2.80E-03
1.72E-03	0.00E+00	1.35E-03	5.86E-04	6.83E-04	1.37E-03	7.87E-04	1.19E-03	5.90E-04
7.90E-03	2.83E-03	7.27E-03	4.09E-03	2.99E-03	2.77E-03	3.84E-03	6.63E-03	5.31E-03
1.00E-02	9.77E-03	1.31E-02	1.82E-02	1.39E-02	1.53E-02	1.66E-02	1.75E-02	9.24E-03
8.00E-03	8.13E-03	1.17E-02	2.38E-03	1.05E-02	9.76E-04	1.85E-03	8.08E-03	6.01E-03
1.06E-03	2.28E-03	3.00E-03	1.88E-03	1.89E-03	1.11E-03	1.58E-03	1.76E-03	1.99E-03
1.21E-02	9.20E-03	5.88E-03	0.00E+00	1.52E-02	7.04E-04	0.00E+00	1.30E-02	1.17E-02
3.20E-03	1.00E-03	1.15E-03	8.15E-04	1.09E-03	0.00E+00	0.00E+00	1.48E-03	2.28E-04
8.95E-03	2.03E-02	8.68E-03	1.22E-02	1.10E-02	6.24E-03	1.13E-02	1.13E-02	7.66E-03
6.89E-03	1.06E-02	1.00E-02	7.90E-04	3.12E-03	7.35E-04	1.62E-03	1.97E-03	2.83E-03
2.39E-03	3.16E-03	0.00E+00	1.55E-03	1.37E-03	1.55E-03	1.36E-03	2.54E-03	9.86E-04
4.14E-03	0.00E+00	3.54E-03	2.33E-03	8.30E-04	1.55E-03	3.59E-03	8.56E-04	9.28E-04
1.15E-03	1.93E-03	4.57E-04	3.41E-03	3.25E-03	1.15E-03	2.54E-03	2.84E-03	1.72E-03
6.24E-02	6.05E-02	1.26E-01	2.33E-03	1.38E-03	2.45E-03	8.76E-04	4.87E-04	5.74E-04
2.43E-03	0.00E+00	0.00E+00	2.18E-03	1.67E-03	1.51E-03	3.03E-03	1.95E-03	7.99E-04
2.43E-02	1.10E-02	2.08E-02	1.94E-02	1.57E-02	1.98E-02	1.70E-02	1.98E-02	1.74E-02
9.39E-03	8.68E-03	2.76E-03	1.76E-02	1.34E-02	1.87E-02	1.75E-02	1.47E-02	1.41E-02
7.74E-04	6.28E-04	3.60E-03	7.03E-03	7.38E-03	3.01E-03	7.81E-03	5.82E-03	4.16E-03
3.56E-02	2.37E-02	4.12E-02	1.42E-02	1.37E-02	1.38E-02	1.44E-02	1.79E-02	1.61E-02
8.91E-03	1.15E-02	1.72E-02	1.62E-03	2.13E-03	1.14E-03	4.73E-04	4.82E-03	9.45E-03
1.00E-02	6.85E-03	7.17E-03	1.19E-02	1.18E-02	8.72E-03	9.52E-03	1.06E-02	9.49E-03
6.56E-03	3.60E-02	0.00E+00	4.86E-03	4.69E-03	7.51E-03	2.72E-03	7.00E-03	4.10E-03
5.88E-04	2.32E-03	5.71E-03	5.18E-03	3.52E-03	4.01E-03	4.72E-03	4.24E-03	4.27E-03
2.27E-03	4.05E-03	9.20E-03	2.12E-02	1.70E-02	1.46E-02	1.66E-02	1.92E-02	1.50E-02
6.32E-03	4.38E-03	1.33E-02	1.26E-02	1.31E-02	9.45E-03	1.45E-02	1.41E-02	1.26E-02
2.00E-03	9.15E-04	0.00E+00	2.37E-03	1.79E-03	2.62E-03	2.46E-03	2.48E-03	3.75E-03
5.83E-03	2.27E-03	1.14E-02	1.31E-02	9.97E-03	9.46E-03	1.06E-02	1.16E-02	1.15E-02

7.07E-03	9.66E-03	3.47E-03	8.59E-03	1.23E-02	8.46E-03	8.99E-03	9.68E-03	8.51E-03
4.89E-02	2.42E-02	1.19E-02	8.30E-03	1.28E-02	9.65E-03	7.90E-03	1.10E-02	1.31E-02
1.44E-03	1.14E-03	0.00E+00	2.88E-03	4.51E-03	3.92E-03	3.28E-03	6.77E-03	6.41E-03
3.52E-03	4.23E-03	1.71E-04	2.84E-03	3.29E-03	2.54E-03	3.27E-03	2.26E-03	2.59E-03
5.03E-03	4.58E-03	2.95E-03	1.82E-03	1.34E-03	1.68E-03	1.61E-03	1.59E-03	1.71E-03
2.40E-03	7.43E-04	3.29E-03	5.01E-03	4.43E-03	3.42E-03	3.50E-03	4.37E-03	4.46E-03
2.49E-02	2.80E-02	3.96E-02	5.53E-02	4.35E-02	5.53E-02	5.08E-02	5.23E-02	4.66E-02
2.55E-04	1.44E-03	0.00E+00	4.10E-03	1.81E-03	3.55E-03	3.16E-03	1.94E-03	4.01E-04
0.00E+00	0.00E+00	0.00E+00	8.24E-04	3.43E-04	1.99E-03	2.78E-03	0.00E+00	2.33E-03
0.00E+00	1.88E-03	3.98E-03	2.05E-03	2.15E-03	3.18E-03	5.19E-03	2.14E-03	3.05E-03
4.35E-02	4.46E-02	4.58E-02	3.48E-02	4.20E-02	3.76E-02	3.38E-02	3.50E-02	4.12E-02
1.17E-03	8.87E-04	1.43E-03	1.03E-03	1.71E-03	1.32E-03	6.59E-04	8.33E-04	1.51E-03
2.83E-01	3.41E-01	3.09E-01	3.01E-01	3.14E-01	3.24E-01	3.18E-01	2.68E-01	3.22E-01
1.28E-03	3.12E-03	1.29E-03	1.80E-04	1.80E-03	1.41E-04	3.70E-04	9.60E-04	1.00E-03
3.13E-04	2.86E-03	2.13E-04	3.08E-03	2.17E-03	3.00E-03	2.86E-03	2.85E-03	2.58E-03
1.08E-02	5.43E-03	1.28E-02	2.05E-02	1.45E-02	2.50E-02	2.30E-02	1.79E-02	1.73E-02
2.68E-03	2.90E-04	0.00E+00	2.61E-03	1.88E-03	2.15E-03	3.35E-03	3.06E-03	2.52E-03
1.10E-02	2.89E-03	7.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.57E-02	6.34E-02	2.20E-02	1.17E-02	1.84E-02	1.13E-02	2.26E-02	2.61E-02	2.22E-02
4.10E-03	7.00E-03	7.22E-03	1.90E-02	1.69E-02	1.46E-02	1.47E-02	1.94E-02	1.58E-02
3.53E-04	4.37E-03	0.00E+00	5.39E-03	5.56E-03	4.71E-03	3.50E-03	6.25E-03	4.29E-03
1.62E-03	0.00E+00	0.00E+00	2.39E-03	2.02E-03	3.75E-03	2.65E-03	2.34E-03	2.76E-03
0.00E+00	3.33E-03	2.09E-03	1.89E-03	3.77E-04	1.55E-03	1.51E-03	1.76E-03	3.23E-03
1.55E-02	2.06E-02	2.12E-02	1.79E-02	1.84E-02	1.62E-02	1.77E-02	1.73E-02	1.60E-02
4.70E-04	3.58E-03	2.65E-03	2.14E-03	2.31E-03	1.07E-03	1.74E-03	7.13E-04	1.57E-03
0.00E+00	2.29E-03	2.23E-03	9.97E-04	3.53E-04	1.34E-04	6.07E-04	7.51E-04	1.03E-04
4.68E-02	3.91E-02	3.53E-02	6.61E-02	6.29E-02	8.89E-02	7.07E-02	6.69E-02	7.87E-02
3.16E-03	1.82E-03	7.10E-03	4.15E-03	4.43E-03	4.51E-03	4.61E-03	3.94E-03	4.83E-03
4.32E-03	2.07E-03	1.54E-03	4.77E-03	5.46E-03	5.01E-03	4.69E-03	5.65E-03	4.93E-03
3.54E-03	1.36E-03	5.81E-03	7.60E-03	9.88E-03	5.04E-03	5.15E-03	6.47E-03	7.46E-03
6.84E-03	7.11E-03	7.04E-04	5.30E-03	4.82E-03	6.62E-03	5.34E-03	5.81E-03	5.83E-03
1.62E-02	1.08E-02	1.39E-02	3.71E-02	2.58E-02	3.15E-02	3.23E-02	2.34E-02	2.53E-02
0.00E+00	1.13E-03	0.00E+00	4.16E-03	3.17E-03	4.79E-03	3.05E-03	3.94E-03	1.98E-03
7.51E-03	7.04E-03	2.86E-03	1.70E-02	1.29E-02	1.32E-02	1.36E-02	1.34E-02	1.59E-02

R_UC82B	R_WV	Phylum	Class	Order
5.89E-03	5.30E-03	Acidobacteria	Blastocatellia_(Subgroup_4)	Pyrinomonadales
6.34E-04	1.82E-03	Acidobacteria	Acidobacteriia	Solibacterales
1.07E-02	9.92E-03	Actinobacteria	Actinobacteria	Kineosporiales
8.43E-03	3.82E-03	Actinobacteria	Actinobacteria	Micrococcales
9.76E-04	1.26E-03	Actinobacteria	Actinobacteria	Frankiales
5.60E-03	6.21E-03	Actinobacteria	Thermoleophilia	Solirubrobacterales
2.44E-03	6.89E-03	Actinobacteria	Actinobacteria	Micrococcales
4.49E-03	5.41E-03	Actinobacteria	Thermoleophilia	Gaiellales
9.56E-03	6.51E-03	Actinobacteria	Actinobacteria	Propionibacteriales
2.20E-03	3.29E-03	Actinobacteria	Actinobacteria	Corynebacteriales
8.66E-03	8.40E-03	Actinobacteria	Actinobacteria	Propionibacteriales
2.17E-03	1.80E-03	Actinobacteria	Actinobacteria	Micrococcales
2.45E-02	3.10E-02	Actinobacteria	Actinobacteria	Micromonosporales
4.03E-03	3.31E-03	Actinobacteria	Acidimicrobiia	Microtrichales
1.66E-03	1.64E-03	Actinobacteria	Thermoleophilia	Solirubrobacterales
1.10E-03	5.86E-04	Actinobacteria	Acidimicrobiia	Microtrichales
1.21E-02	1.74E-02	Actinobacteria	Actinobacteria	Frankiales
2.02E-03	3.46E-03	Actinobacteria	Rubrobacteria	Rubrobacterales
7.31E-04	7.07E-04	Actinobacteria	Actinobacteria	Frankiales
4.34E-03	3.19E-03	Actinobacteria	Actinobacteria	Micrococcales
1.38E-02	1.40E-02	Actinobacteria	Actinobacteria	Pseudonocardiales
4.72E-03	2.01E-03	Actinobacteria	Actinobacteria	Streptomycetales
1.30E-03	1.91E-03	Actinobacteria	Actinobacteria	Frankiales
9.89E-03	1.02E-03	Actinobacteria	Actinobacteria	Streptosporangiales
6.51E-04	3.91E-04	Bacteroidetes	Bacteroidia	Flavobacteriales
8.41E-03	9.37E-03	Bacteroidetes	Bacteroidia	Cytophagales
2.32E-03	1.74E-03	Bacteroidetes	Bacteroidia	Flavobacteriales
8.48E-04	7.63E-04	Bacteroidetes	Bacteroidia	Sphingobacteriales
0.00E+00	2.38E-03	Chloroflexi	Chloroflexia	Chloroflexales
1.04E-03	4.35E-03	Fibrobacteres	Fibrobacteria	Fibrobacterales
1.79E-03	2.13E-03	Firmicutes	Bacilli	Bacillales
1.38E-03	2.80E-03	Gemmatimonadetes	Longimicrobia	Longimicrobiales
2.08E-02	1.69E-02	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales
1.56E-02	1.36E-02	Nitrospirae	Nitrospira	Nitrospirales
4.39E-03	5.44E-03	Planctomycetes	Planctomycetacia	Pirellulales
1.53E-02	1.57E-02	Proteobacteria	Alphaproteobacteria	Rhizobiales
7.47E-03	2.85E-03	Proteobacteria	Gammaproteobacteria	Cellvibrionales
6.07E-03	8.52E-03	Proteobacteria	Deltaproteobacteria	Myxococcales
5.71E-03	3.14E-03	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales
3.86E-03	3.59E-03	Proteobacteria	Deltaproteobacteria	Myxococcales
1.17E-02	1.54E-02	Proteobacteria	Gammaproteobacteria	Incertae_Sedis
8.50E-03	1.33E-02	Proteobacteria	Deltaproteobacteria	Myxococcales
2.24E-03	2.56E-03	Proteobacteria	Alphaproteobacteria	Rhodospirillales
1.07E-02	1.04E-02	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales

1.24E-02	9.18E-03	Proteobacteria	Alphaproteobacteria	Rhizobiales
1.85E-02	9.66E-03	Proteobacteria	Gammaproteobacteria	Xanthomonadales
6.47E-03	3.06E-03	Proteobacteria	Gammaproteobacteria	Xanthomonadales
3.27E-03	2.98E-03	Proteobacteria	Deltaproteobacteria	Bdellovibrionales
1.25E-03	1.23E-03	Proteobacteria	Alphaproteobacteria	Tistrellales
2.33E-03	3.05E-03	Proteobacteria	Alphaproteobacteria	Dongiales
4.24E-02	5.52E-02	Proteobacteria	Alphaproteobacteria	Rhizobiales
2.13E-03	2.79E-03	Proteobacteria	Alphaproteobacteria	Azospirillales
8.55E-04	2.49E-03	Proteobacteria	Deltaproteobacteria	Bdellovibrionales
2.02E-03	1.68E-03	Proteobacteria	Deltaproteobacteria	Myxococcales
3.60E-02	3.70E-02	Proteobacteria	Alphaproteobacteria	Caulobacterales
1.63E-03	1.00E-03	Proteobacteria	Alphaproteobacteria	Paracaedibacterales
3.28E-01	3.41E-01	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales
5.96E-04	0.00E+00	Proteobacteria	Deltaproteobacteria	Oligoflexales
2.72E-03	2.45E-03	Proteobacteria	Deltaproteobacteria	Desulfarculales
1.86E-02	1.75E-02	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales
2.94E-03	1.84E-03	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales
0.00E+00	0.00E+00	Proteobacteria	Gammaproteobacteria	Enterobacteriales
4.82E-02	2.17E-02	Proteobacteria	Gammaproteobacteria	Pseudomonadales
1.09E-02	1.23E-02	Proteobacteria	Gammaproteobacteria	Steroidobacteriales
4.18E-03	4.56E-03	Proteobacteria	Alphaproteobacteria	Rhizobiales
2.14E-03	2.72E-03	Proteobacteria	Alphaproteobacteria	Rhizobiales
1.43E-03	1.57E-03	Proteobacteria	Deltaproteobacteria	Myxococcales
1.57E-02	2.00E-02	Proteobacteria	Alphaproteobacteria	Rhizobiales
1.03E-03	1.43E-03	Proteobacteria	Alphaproteobacteria	Rhodospirillales
7.10E-04	5.16E-04	Proteobacteria	Deltaproteobacteria	Myxococcales
8.04E-02	7.97E-02	Proteobacteria	Alphaproteobacteria	Sphingomonadales
4.46E-03	3.98E-03	Proteobacteria	Alphaproteobacteria	Caulobacterales
2.54E-03	3.72E-03	Proteobacteria	Alphaproteobacteria	Micropepsales
5.38E-03	5.47E-03	Proteobacteria	Gammaproteobacteria	Cellvibrionales
5.47E-03	5.30E-03	Proteobacteria	Alphaproteobacteria	Reyranellales
2.66E-02	3.06E-02	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales
4.40E-03	3.28E-03	Verrucomicrobia	Verrucomicrobiae	Opitutales
1.36E-02	1.45E-02	Verrucomicrobia	Verrucomicrobiae	Pedospaerales